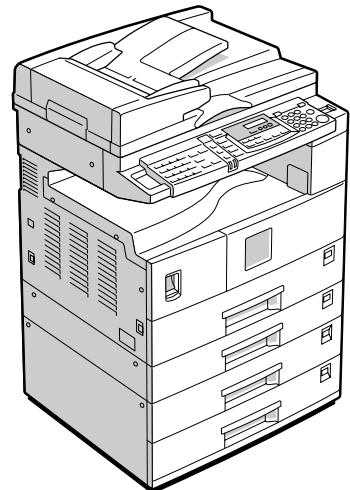


PRINTER Controller

Infotec 4151 4181 4182

Operating Instructions
Printer Reference 1 (option)



For safety, please read this manual carefully before you use this product and keep it handy for future reference.

Introduction

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual.

Please keep this manual in a handy place near the machine.

Please read the Safety Information in the "Copy Reference" before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Trademarks

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Ethernet is a registered trademark of Xerox Corporation.

Adobe, PostScript, Acrobat and PageMaker are registered trademarks of Adobe System Incorporated.

PCL is a registered trademark of Hewlett-Packard Company.

Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights in those marks.

Warning:

Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Manuals for This Machine

Manuals for This Machine

The following manuals separately describe the operational procedures for the operation and maintenance of the machine.

To enhance safe and efficient operation of the machine, all users should read and follow the instructions contained in the following manuals.

❖ **Copy Reference**

Describes the procedures and functions for using this machine as a copier.

❖ **System Settings**

Describes the system settings of this machine.

❖ **Facsimile Reference <Basic Features>**

Describes the procedures and most frequently used functions for using this machine as a facsimile.

❖ **Facsimile Reference <Advanced Features>**

Describes the procedures and more advanced functions for using this machine as a facsimile. And also explains settings for key operators.

❖ **Printer Reference 1**

Describes the system settings, procedures and functions for using this machine as a printer. (this manual)

❖ **Printer Reference 2**

Describes the procedures and provides necessary information about using this machine as a printer. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Network Interface Board Quick Configuration Guide**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement**

Describes the functions of Printer Utility for Mac. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Network Interface Board Type 1018 Owner's Manual**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Print Server Software and Documentation" which comes with optional Network Interface Board Type 1018.

Note

Concerning UNIX printing information, please visit our web site or consult your authorized reseller.

ENERGY STAR Program

ENERGY STAR®



As an ENERGY STAR Partner, we have determined that this machine model meets the ENERGY STAR Guidelines for energy efficiency.

The ENERGY STAR Guidelines intend to establish an international energy-saving system for developing and introducing energy-efficient office equipment to deal with environmental issues, such as global warming.

When a product meets the ENERGY STAR Guidelines for energy efficiency, the Partner shall place the ENERGY STAR logo onto the machine model.

This product was designed to reduce the environmental impact associated with office equipment by means of energy-saving features, such as Low-power mode.

- **Low Power mode**

This product automatically lowers its power consumption 1 minute after the last copy or print job has finished. Printing is still possible in Low Power mode, but if you wish to make copies press the **[Operation Switch]** key first. For how to change the default interval that the machine waits before entering Low Power mode, see "Energy Saver Timer" in the "System Settings".

- **Sleep mode (Printer and facsimile installed)**

If the printer or facsimile features are installed, this product automatically lowers its power consumption even further 30 minutes after the last copy or print job has finished. Printing and facsimile reception is still possible in Sleep mode, but if you wish to make copies press the operation switch first.

For how to change the default interval that the machine waits before entering Sleep mode, see "Auto Off Timer" in the "System Settings".

- **Auto Off mode (Copier only)**

If neither the printer feature nor facsimile feature is installed, this product automatically turns itself off 30 minutes after the last copy or print job has finished. If you wish to make copies when the machine is in Auto Off mode, press the operation switch.

For how to change the default interval that the machine waits before entering Auto Off mode, see "Auto Off Timer" in the "System Settings".

◆ Specification

		Copy feature	Printer or Facsimile installed
Low Power mode	Power consumption	70 Wh	80 Wh
	Default Time	1 minute	1 minute
	Recovery Time	Less than 25 seconds	Less than 25 seconds
Sleep Mode	Power consumption	-	70 Wh
	Default Time	-	30 minutes
	Recovery Time	-	25 seconds
Auto Off mode	Power consumption	Less than 1 Wh	-
	Default Time	30 minutes	-
	Recovery Time	25 seconds	-

Recycled Paper

In accordance with the ENERGY STAR Program, we recommend use of recycled paper which is environmentally friendly. Please contact your sales representative for recommended paper.

How to Read This Manual

Symbols

In this manual, the following symbols are used:

 **WARNING:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

 **CAUTION:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

* The statements above are notes for your safety.

 **Important**

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

 **Preparation**

This symbol indicates the prior knowledge or preparations required before operating.

 **Note**

This symbol indicates precautions for operation, or actions to take after misoperation.

 **Limitation**

This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

 **Reference**

This symbol indicates a reference.

[]

Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

[]

Keys built into the machine's panel display.

Keys on the computer's keyboard.

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1. Getting Started

Features of This Machine

This machine is designed especially for office workgroups, both for shared usage within a network environment, and for one-to-one usage by being connected directly to the computer.

❖ Time Saving

Superior features save time on print tasks.

Continuous Printing Speed : 15 ppm, 18 ppm.

A4 □, 8¹/₂" × 11" □, maximum printing speed from a standard paper tray.

❖ Compact Body

Its compact body requires minimum space to place it on your desk side.

❖ Network Connectivity

This printer is network ready with optional Network Interface Board Type 1018.

❖ Major Specifications

	15 ppm model	18 ppm model
Printing Speed	15 pages per minute (A4□, 8 ¹ / ₂ " × 11"□)	18 pages per minute (A4□, 8 ¹ / ₂ " × 11"□)
Maximum Print Quality	True 600 × 600 dpi resolutions (PCL 6, 5e, PS2 (option) *1)	
Printer Language	PCL 6, PCL 5e, PS2 (option)	
Maximum Input Paper Size	Paper Tray and Bypass Tray: A3□, 11" × 17"□	
Standard Memory Size	16MB	
Maximum Memory Size with Optional Memory	144MB	

*1 PostScript level2 Compatible

>Note

- The “□” symbol means the long-edge feed direction.
- The “□” symbol means the short-edge feed direction.

Printer Drivers for This Machine

Printing requires installation of a printer driver for your operating system. The following drivers are included on the CD-ROM that comes with this machine.

Printer Language	PCL 6	PCL 5e	PS2
Operating system			
Windows 95 *1	√	√	√
Windows 98 *2	√	√	√
Windows Me *3	√	√	√
Windows 2000 *4	√	√	√
Windows XP *5	√	√	√
Windows NT 4.0 *6	√	√	√ *8
Mac OS *7			√ *9 *10

*1 Microsoft Windows 95 operating system

*2 Microsoft Windows 98 operating system

*3 Microsoft Windows Millennium Edition

*4 Microsoft Windows 2000 Professional
Microsoft Windows 2000 Server

*5 Microsoft Windows XP Professional
Microsoft Windows XP Home Edition

*6 Microsoft Windows NT Server operating system version 4.0, Microsoft Windows NT Workstation operating system version 4.0 in a computer using x86 processors.

*7 Required version is 8 or 9 operating system. With Mac OS X, the machine operates in only Classic mode.

*8 Requires Service Pack 4 or later.

*9 PPD (PostScript Printer Description) files are provided on the CD-ROM.

*10 You can use the LaserWriter printer driver that comes with a Macintosh. Use the appropriate printer driver that comes with the Macintosh operating system you are using. See the documentation that comes with the Macintosh for more information about the LaserWriter functions.

◆ PCL printer drivers

Printer drivers allow the computer to communicate with the printer via a printer language. Two kinds of PCL printer drivers, PCL 6 and PCL 5e, are provided with this printer. We recommend PCL 6 as your first choice.

Note

- Some of your applications might require the installation of the PCL 5e printer driver. In this case, you can install PCL 5e in addition to PCL 6.
⇒ p.18 "Installing the PCL 6/5e Printer Driver"

◆ PostScript Printer Description (PPD) files for Windows

The printer specific functions can be used by installing the PPD file specific for the printer.

- ⇒ p.20 "Windows 95/98/Me - Installing the PostScript Printer Driver"
- ⇒ p.21 "Windows 2000/Windows XP- Installing the PostScript Printer Driver"
- ⇒ p.23 "Windows NT 4.0 - Installing the PostScript Printer Driver"

◆ PostScript Printer Description (PPD) files for a Macintosh

PPD files, in combination with the LaserWriter driver, allow the computer to communicate with the printer. The printer specific functions can be used by installing a PPD file. You can use the LaserWriter printer driver that comes with the Macintosh. Use the appropriate printer driver that comes with the Macintosh operating system you are using. See the documentation that comes with the Macintosh for more information about the LaserWriter functions.
⇒ p.27 "Macintosh"

Software and Utilities Included on the CD-ROM

◆ Agfa Font Manager

Helps you to install new screen fonts, or organize and manage fonts already installed on the system. This manual is provided as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities".

◆ SmartNetMonitor for Admin

SmartNetMonitor for Admin is software that uses the TCP/IP and IPX/SPX protocols to monitor the printers in a network. It can monitor multiple network printers having IP addresses. We recommend network administrators to use this software.

Reference

For more information about SmartNetMonitor for Admin, see the SmartNetMonitor for Admin online Help file.

◆ SmartNetMonitor for Client

SmartNetMonitor for Client is software equipped with the following functions. We recommend all users of this printer to install this software.

- Provides the function to print in a Peer-to-Peer network.
- Uses the TCP/IP and IPX/SPX protocols to monitor the status of devices in a network constantly.

Reference

For more information about SmartNetMonitor for Client, see the SmartNetMonitor for Client online Help file.

◆ Acrobat Reader

A utility that allows you to read PDF (Portable Document Format). This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

Note

- Documentation about using the printer is provided as a PDF format on the CD-ROM. See Acrobat Reader online Help for more information about using Acrobat Reader.

◆ Printer Utility for Mac

This utility allows users to download and manage a variety of fonts as well as to manage their printers. For more information about this utility, see the Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement which is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

Important

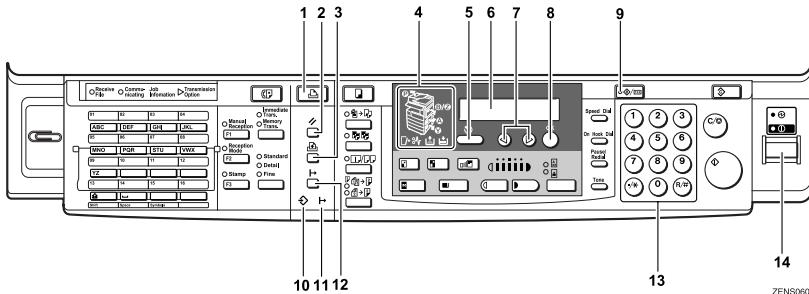
- If you upgrade to Windows 2000 from Windows 95/98/Me or Windows NT 4.0, the software and utilities must be uninstalled prior to installing Windows 2000. Then reinstall them in a Windows 2000 environment.

Guide to This Machine

Control Panel

1

This panel display is for the installed Printer and Facsimile feature.



1. Printer Mode key

Press to use printer functions.

2. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

3. [Form Feed] key

If Load Paper [Paper Size], Load Tray [Paper Size] or Load Bypass tray [Paper Size] error occurs, press this key to print all the data left in the printer's input buffer.

Note

- This function is not available when the printer is receiving data from a computer or printing.

4. Indicators

These indicators show errors or the status of the machine.

5. [Cancel] key

Press to cancel an operation or return to the previous display.

6. Display panel

Shows operation status, error messages, and function menus.

7. keys

Press to select an item on the panel display.

8. [OK] key

9. [User Tools/Counter] key

Press to change the default settings and conditions to meet your requirements.

10. Data In indicator

Blinks while the printer is receiving data from a computer or printing.

Is on if there is data to be printed.

11. Online indicator

Tells you whether the printer is online or offline.

Is on while the printer is online.

12. [Online/Offline] key

Press this key to switch the printer between online and offline.

13. Number keys

Use to enter the desired number of copies and data for selected modes.

14. Operation switch

Press this switch to turn the power on (the **On** indicator goes on). To turn the power off, press this switch again (the **On** indicator goes off).

Panel Display

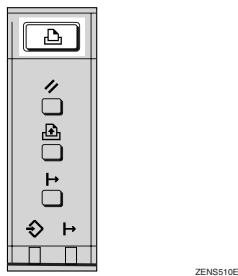
The panel display shows operational status, error messages, and function menus.

Important

- Do not apply a strong shock or force of more than about 30N (about 3kgf) to the panel display or it may be damaged.

Online and Offline

Press **【Printer Mode】** on the control panel.

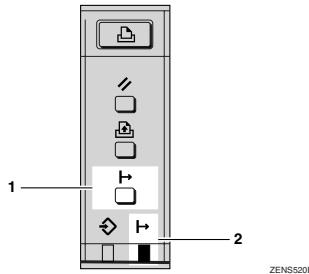


“Ready” appears on the panel display.

Ready

Online

When the printer is online, it can receive data from the computer.



1. 【Online/Offline】 key

Press this key to switch the printer online.
line.

"Ready" appears on the panel display.

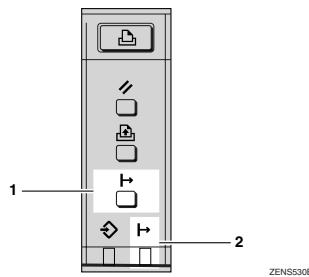
A rectangular panel display showing the word "Ready" in a black font on a white background.

2. Online indicator

Is on while the printer is online.

Offline

When the printer is offline, it cannot receive data from the computer.



1. 【Online/Offline】 key

Press this key to switch the printer off-
line.

"Offline" appears on the panel display.

A rectangular panel display showing the word "Offline" in a black font on a white background.

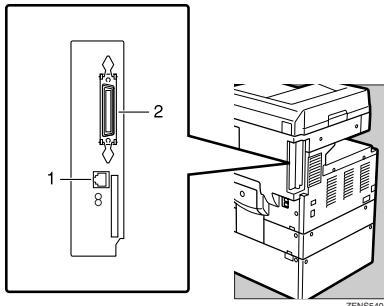
2. Online indicator

Is off while the printer is offline.

Connecting the Machine

1

Confirm that the shape and the position of the connector are as shown in the illustration.



1. 10BASE-T/100BASE-TX (option)

2. Parallel Port

Requirements

Requirements

Before using this machine, confirm that all the environmental and electrical requirements have been met. Connect the machine to the host computer using the parallel port, optional Network Interface Board Type 1018, or both.

Confirm that all the cables, connectors, and electrical outlets necessary to attach the machine to the host computer or network.

Important

- The interface cable is not supplied in the box. It is your responsibility to provide the interface cable appropriate for the computer that you are using.

Reference

For more information about using the parallel port, see p.9 "Parallel cable requirements".

For more information about using a network, see p.9 "Network cable requirements".

Network cable requirements

Optional Network Interface Board Type 1018 can be installed to allow direct connection to a network.

The optional Network Interface Board supports 10BASE-T or 100BASE-TX connections.

You can use the machine in the following network environments:

- Using the appropriate network management software and printer driver.
- Attaching the machine to a network (computer) set up as a server.

Client	Windows 95, 98, Me, Windows 2000, Windows XP, Windows NT 4.0, ^{*1} , Mac OS 8 or 9 (Type 1018 PostScript level2 Compatible Kit is required)
Driver	PCL 6/5e, PS2 (option)
File Server	NetWare 3.x, NetWare 4.x, NetWare 5.x
Protocol	TCP/IP, IPX/SPX, AppleTalk

^{*1} Under Windows NT 4.0, only × 86 CPU is supported.

In a mixed network environment, the protocol switches automatically.

Reference

For more information about resolving network connection problems, see p.13 “Configuring the Printer for the Network”.

Note

- Consult your network administrator before connecting the machine to a network.
- Be sure to use the interface cable with ferrite core for the connection to the host computer (and/or HUB) in order to meet FCC and EMC Directive 89/336/EEC emission guidelines.

Parallel cable requirements

Connect the machine to the host computer using a parallel port. This machine does not provide the parallel cable to connect the machine to the host computer.

The machine's parallel interface is a standard bidirectional interface. It requires a standard 36-pin parallel cable compliant with IEEE 1284 and a parallel port available on the host computer.

Note

- Do not use a parallel cable that is longer than 3 meters (10 feet).

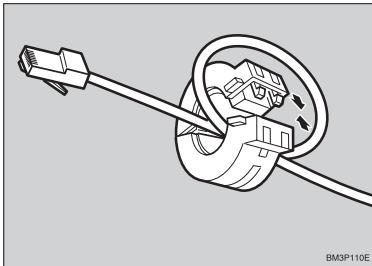
Connecting the Network Interface Cable to the Network

1

Connect the machine to the network using optional Network Interface Board Type 1018.

Follow these steps to connect the machine.

- 1** Confirm that you have the correct cable.
- 2** Confirm that the machine is turned off.
- 3** Loop the network cable. The loop should be about 15cm (6") from the end of the cable on the end closest to the printer.
- 4** Attach the ferrite core to the loop.



- 5** Attach the network cable to the 10BASE-T/100BASE-TX port on the machine.

🔗 Reference

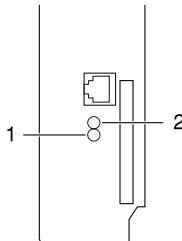
See p.8 "Connecting the Machine" to confirm the position of the 10BASE-T/100BASE-TX port.

📝 Note

Confirm that the cable is connected to the 10BASE-T/100BASE-TX port.

- 6** Connect the other end of the cable to the network.

Indicators on the optional Network Interface Board



ZENS550E

1. Indicator (green)

Is on when the power of the machine is on and on while the machine is in a network environment.

2. Indicator (orange)

Is blinking while the machine is receiving print jobs over the network environment and off when the print jobs have been sent to the controller.

💡 Status page

The status page of Network Interface Board will be automatically printed in the following cases:

- when the printer is turned on.
- when Network Interface Board is reset.

This feature can be disabled with NIB Setup Tool which is included in the Smart-NetMonitor for Admin program folder.

To disable this feature, check **[Property Sheet]** in the "NIB Setup Tool" screen. Click **[Detailed...]** in the **[General]** tab and remove the check from the box for "Print configuration page on start up".

Connecting the Machine to the Host Using the Parallel Interface Cable

1

Connect the machine to the host computer using a parallel interface cable compliant with IEEE 1284 (supplied by you).

Follow these steps to connect the machine to the host computer.

- 1** Confirm that you have the correct cable.
- 2** Confirm that both the machine and the host computer are turned off.
- 3** Plug the 36-pin end of the parallel cable into the parallel port at the right side of the back cover of the machine.
 **Reference**
See p.8 "Connecting the Machine" to confirm the position of the parallel port.
- 4** Squeeze the wire clips on each side of the connector together until they snap into place. The clips hold the cable securely in place.
- 5** Plug the other end of the parallel cable into the computer's parallel port.

2. Configuring the Printer for the Network

Configuring the Printer for the Network with the Control Panel

After installing the optional Network Interface Board, configure it for the network using the printer's control panel.

If you use TCP/IP, you should assign the IP Address and Subnet Mask. You can also set the Gateway Address using the printer's control panel.

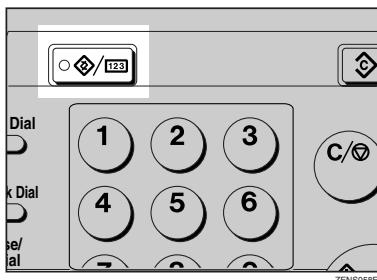
Note

- When you turn the machine's power switch on, it may take a few minutes to initialize the optional Network Interface Board. If the "2. Network Setup" in the following step 4. is shaded, wait for a few minutes.

Reference

For more information about using this machine as a network printer, see the "Quick Configuration Guide" which is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

1 Press [User Tools/Counter].



- 2 Press the \triangle or \square key until the following message appears on the panel display.

User Tools:
5. Printer Features \blacktriangleleft

- 3 Press [OK].

The following screen appears on the panel display.

Printer Features:
1. Job Control \blacktriangleleft

- 4 Press the \triangle or \square key until the following message appears on the panel display.

Printer Features:
2. Network Setup \blacktriangleleft

- 5 Press [OK].

The following screen appears on the panel display.

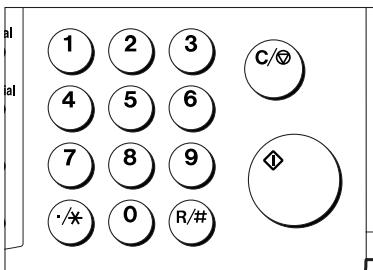
Network Setup:
1. IP Address \blacktriangleleft

- 6 Press [OK].

The following screen appears on the panel display.

IP Address: $\blacktriangleright/\text{OK}$
[■■■.0.000.000.000]

7 Set the IP Address with the or key and the number keys.



Note

- To get the IP Address for the printer, contact your network administrator.

① Type the first three digits of the IP Address, and the pointer moves to the next entry field automatically.

Note

- key : Press to go to the next entry field.
- key : Press to go back to the previous entry field.

The following screen appears on the panel display.

IP Address: /OK
[192..0.000.000]

Repeat these procedures to complete the IP Address setting.

Note

- [OK]:** Press to set the new settings and return to the previous menu.
- [Cancel]:** Press to return to the previous menu without changing any data.

② Press **[OK].**

The following screen appears on the panel display for two seconds.

Programmed

The setting of the IP Address is completed. Then return to the previous screen.

8 Press the or key to display "Subnet Mask" and "Gateway Address", then set "Subnet Mask" and "Gateway Address" following the same procedure for setting the IP Address, if necessary.

Address

◆ Subnet Mask

A number used to mathematically "mask" or hide an IP Address on the network by eliminating those parts of the address that are alike for all the machines on the network.

◆ Gateway Address

A gateway is a connection or interchange point that connects two networks. A gateway address is for the router or host computer used as a gateway.

Note

- To get the addresses, contact your network administrator.

3. Installing the Printer Driver and Software

This manual assumes that you are familiar with general Windows procedures and practices. If you are not, see the documentation that comes with Windows for details.

Installation Method

The following table shows how to install the printer drivers and software.

	Auto Run *1		
	Quick Install		Custom installation *2
	Network connection with TCP/IP	Parallel connection	
PCL 6 printer driver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PCL 5e printer driver			<input type="radio"/>
PostScript printer driver			<input type="radio"/>
Agfa Monotype Font Manager 2000			<input type="radio"/>
SmartNetMonitor for Admin			<input type="radio"/>
SmartNetMonitor for Client	<input type="radio"/>		<input type="radio"/>

*1 Available operating systems are as follows: Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0

*2 Using custom installation, you can install various software separately.

Reference

For more information about the printer drivers, see p.2 "Printer Drivers for This Machine". For installing the printer drivers, see p.18 "Installing the PCL 6/5e Printer Driver" or p.20 "Installing the PostScript Printer Driver".

For more information about the software and utilities, see p.3 "Software and Utilities Included on the CD-ROM".

Important

- Before starting this installation, close all documents and applications. In a network environment, confirm that users who are logged on are disconnected. Be sure to do this when it will create the least interference with other users.
- After installing a printer driver, you must restart the computer.

Note

- If the "plug and play" function is started, click [Cancel] in the [New Hardware Found], [Device Driver Wizard] or [Found New Hardware Wizard] dialog box, and then insert the CD-ROM. The [New Hardware Found], [Device Driver Wizard] or [Found New Hardware Wizard] dialog box appears depending on the system version of the Windows 95/98/Me, Windows 2000, and Windows XP.

Quick Install

Auto Run starts the installer automatically when you load the CD-ROM in the CD-ROM drive. By selecting Quick Install, you can install the necessary software easily.

TCP/IP requires the following:

- This machine must be connected to the network through the network interface cable.
- This machine must be turned on.
- The TCP/IP protocol must be configured.
- An IP address must be allocated to this machine and to the computer.

3

Limitation

- If your system is Windows 2000, Windows XP, or Windows NT 4.0, installing a printer driver by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

Note

- Auto Run might not automatically work with certain OS settings. In this case, launch "Setup.exe" located on the CD-ROM root directory.

If you want to cancel Auto Run, hold down the **[SHIFT]** key (when your system is Windows 2000, hold down the left **[SHIFT]** key) while inserting the CD-ROM. Keep the **[SHIFT]** key held down until the computer has finished accessing the CD-ROM.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select **[Quick Install]**.

5 The software license agreement appears in the **[License Agreement]** dialog box.

After reading through all of the contents, click **[I accept the agreement]** to agree with the license agreement, and then click **[Next]**.

6 Click to select a model name you want to use when the "Select Printer" dialog box appears.

 **Note**

- For a network connection with TCP/IP, select the printer whose IP address is displayed in [**Connect To**].
- For parallel connection, select the printer whose printer port is displayed in [**Connect To**].

7 Click [**Install**].

8 Follow the instructions on the screen.

3

 **Note**

- During installation in Windows 2000, the [**Digital Signature Not Found**] dialog box may appear. In this case, click [**Yes**] to continue the installation.
- During installation in Windows XP, the [**Hardware Installation**] dialog box may appear. In this case, click [**Continue Anyway**] to continue the installation.

A message prompting you to restart your computer may appear. To complete the installation, restart your computer.

Installing the PCL 6/5e Printer Driver

Installing the PCL 6/5e Printer Driver

Two kinds of PCL printer drivers, PCL 6 and PCL 5e, are provided with this printer. We recommend PCL 6 as your first choice.

Limitation

- If your system is Windows 2000, Windows XP, or Windows NT 4.0, installing a printer driver by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

Important

- When updating the printer driver by installing the latest version, you should uninstall that of former version if any. See "Uninstalling the Printer Driver and Software" in Printer Reference 2.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select [PCL Printer Drivers].

5 The software license agreement appears in the [License Agreement] dialog box.

After reading through all of the contents, click [**I accept the agreement**] to agree with the license agreement, and then click [**Next**].

6 Select the printer driver you want to install when the "Select Program" dialog box appears.

7 Follow the instructions on the screen.

Note

- During installation in Windows 2000, the [**Digital Signature Not Found**] dialog box may appear. In this case, click [**Yes**] to continue the installation.
- During installation in Windows XP, the [**Hardware Installation**] dialog box may appear. In this case, click [**Continue Anyway**] to continue the installation.

Setting up options

Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

Limitation

- Under Windows 2000 or Windows XP, changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.
- Under Windows NT4.0, changing the setting of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

Note

- When setting up options, you should access the Printer Properties dialog box from Windows. You cannot set up options by accessing the Printer Properties dialog box from an application.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

Note

- Under Windows XP, click [Start] on the task bar, and then click [Printers and Faxes]. The [Printers and Faxes] window appears.

2 Click to select the icon of the printer you want to use.

3 On the [File] menu, click [Properties].

The Printer Properties appear.

4 Click the [Accessories] tab.

5 Select options you have installed from the [Options] group.

6 Click [OK] .

Installing the PostScript Printer Driver

This section describes basic instructions for installing the PostScript printer driver. The actual procedure may differ depending on the operating system. Follow the appropriate procedures below.

Important

- When updating the printer driver by installing the latest version, you should uninstall that of former version if any. See "*Uninstalling the Printer Driver and Software*" in Printer Reference 2.

3

Windows 95/98/Me - Installing the PostScript Printer Driver

Installing the printer driver

- 1** Close all applications that are running.
- 2** Insert the CD-ROM into the CD-ROM drive.
Auto Run will start the installer.
- 3** Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

Note

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyar, Polski, Portugues, Suomi

- 4** Select [**PostScript level2 Compatible Printer Driver**].
[Add Printer Wizard] starts.
- 5** Click [**Next**].
- 6** Check [**Local Printer**] and then click [**Next**].
A dialog box for selecting the printer appears.
- 7** Select the printer you want to use and then click [**Next**].
- 8** Follow the instructions on the screen.

Setting up options

Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click to select the icon of the printer you want to use.

3 On the [File] menu, click [Properties].

The Printer Properties appear.

3

4 Click the [Accessories] tab.

5 Select options you have installed from the [Options] group.

6 Click [OK].

Windows 2000/Windows XP- Installing the PostScript Printer Driver

Installing the printer driver

! Limitation

- Installing a printer driver requires Administrators permission. When you install a printer driver, log on using an account that has Administrators permission.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

Note

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyer, Polski, Portugues, Suomi

4 Select [PostScript level2 Compatible Printer Driver].

[Add Printer Wizard] starts.

5 Click [Next].

6 Check [Local Printer] and then click [Next].

A dialog box for selecting the printer port appears.

 **Note**

- Under Windows XP, click [**Local printer attached to this computer**] , and then confirm that [**Automatically detect and install my Plug and Play printer**] is un-checked. And then click [**Next**].

3

7 Select the check box of the port you want to use, and then click [Next].

A dialog box for selecting the printer appears.

8 Select the printer you want to use and then click [Next].

9 Follow the instructions on the screen.

 **Note**

- During installation, the [**Digital Signature Not Found**] dialog box may appear. In this case, click [**Yes**] to continue the installation.

Setting up options

 **Important**

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

 **Limitation**

- Changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click [**Start**] on the taskbar, point to [**Settings**], and then click [**Printers**].

The [**Printers**] window appears.

 **Note**

- Under Windows XP, click [**Start**] on the task bar, and then click [**Printers and Faxes**]. The [**Printers and Faxes**] window appears.

2 Click to select the icon of the printer you want to use.

3 On the [**File**] menu, click [**Properties**].

The Printer Properties appear.

4 Click the [**Accessories**] tab.

5 Click [**OK**].

Windows NT 4.0 - Installing the PostScript Printer Driver

Installing the printer driver

! Limitation

- Installing a printer driver requires Administrators permission. When you install a printer driver, log on using an account that has Administrators permission.

! Important

- The CD-ROM containing the Windows NT Server operating system version 4.0, or the Windows NT Workstation operating system is required for installing the printer driver.
- We recommend that you upgrade the Windows NT 4.0 operating system to Service Pack 4 or later before installing the printer driver. Contact your Windows retailer for more information about the latest version available.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

! Note

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyer, Polski, Portugues, Suomi

4 Select [PostScript level2 Compatible Printer Driver].

[Add Printer Wizard] starts.

5 Click [Next].

6 After confirming that the [My Computer] option is selected, click [Next].

A dialog box for selecting the printer port appears.

7 Select the check box of the port you want to use, and then click [Next].

A dialog box for selecting the printer appears.

8 Select the printer you want to use and then click [Next].

9 Follow the instructions on the screen.

Setting up options

● Limitation

- Changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

!! Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click to select the icon of the printer you want to use.

3 On the [File] menu, click [Properties].

The Printer Properties appear.

4 Click the [Accessories] tab.

5 Select options you have installed from the [Options] group.

6 Click [OK].

Using Adobe PageMaker Version 6.0 or 6.5

If you use the printer under Windows 95/98/Me, Windows 2000, Windows NT 4.0 with Adobe PageMaker, you need to copy the PPD file to the PageMaker folder.

The PPD file is the file with extension ".ppd". It is in the folder "DRIVERS\PS\WIN9X_ME\Language\DISK1\" on the CD-ROM.

The [**WIN9X_ME**] folder, inside the [**PS**] folder is for the Windows 95/98/Me operating system. Use the folder at this level that is appropriate for the operating system you are using.

The third folder, "(Language)" may be substituted by an appropriate language name.

Copy this file to the PageMaker folder.

For PageMaker 6.0 default installation, the folder is "C:\PM6\RSRC\PPD4", and for PageMaker 6.5 default installation, the directory is "C:\PM65\RSRC\USENGLISH\PPD4". "USENGLISH" may differ depending on your language selection.

○ Reference

For more information about the language name, see p.16 "Quick Install".

Installing the SmartNetMonitor for Client/Admin

⚠ Limitation

- If your system is Windows 2000, Windows XP or Windows NT 4.0, installing software by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select [SmartNetMonitor for Client/Admin].

5 The software license agreement appears in the [License Agreement] dialog box.

After reading through all of the contents, click [**I accept the agreement**] to agree with the license agreement, and then click [**Next**].

6 Select the program you want to install when the "Select Program" dialog box appears.

7 Follow the instructions on the screen.

Installing the Agfa Monotype Font Manager 2000

⚠ Limitation

- If your system is Windows 2000, Windows XP or Windows NT 4.0, installing software by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

3

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomii (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select [Agfa Monotype Font Manager 2000].

5 Follow the instructions on the screen.

Macintosh

Macintosh - Installing the PPD File

You can use the LaserWriter printer driver that comes with a Macintosh when printing from a Macintosh. However, if you use the LaserWriter printer driver alone, you cannot use the printer specific functions. The printer specific functions can be used by installing the PPD file.

Note

- The LaserWriter printer driver for a Macintosh does not come with this printer. Use the appropriate printer driver that comes with the Macintosh you are using.
- See the documentation that comes with the operating system for more information about the functions of the LaserWriter 8 printer driver.

3

Installing the PPD File

1 Start the Macintosh.

2 Double-click the icon of the hard disk to open it.

3 Open the [Extensions] folder inside the [System Folder] by double-clicking it.

4 Insert the CD-ROM into the CD-ROM drive.

The CD-ROM icon appears.

5 Double-click the CD-ROM icon.

The contents of the CD-ROM are displayed.

6 Double-click the [Printer Descriptions] folder of the CD-ROM, and then double-click the folder having the appropriate language name to open it.

7 Drag the PPD file for the printer and drop it into the [Printer Descriptions] folder inside the [Extensions] folder on the Macintosh hard disk.

The PPD file is installed.

8 Drag the CD-ROM icon and drop it into [Trash] to eject the CD-ROM.

This completes PPD file installation.

Setting up the PPD file

■ Preparation

Confirm that the printer is connected to an AppleTalk network before performing the following procedure.

- 1** On the Apple menu, select [**Chooser**].
- 2** Click the [**LaserWriter 8**] icon.
- 3** In the [**Select a PostScript Printer**] list, click to select the name of the printer you want to use.
- 4** Click [**Create**].
- 5** Click to select the printer you want to use, and then click [**Select**].

The PPD file is set up, and the LaserWriter 8 icon appears at the left of the printer name on the list. Next, follow the procedure on p.28 “Setting up options” to make the option settings, or close the [**Chooser**] dialog box.

Setting up options

- 1** On the Apple menu, select [**Chooser**].
- 2** Click the [**LaserWriter 8**] icon.
- 3** In the [**Select the PostScript Printer**] list, click to select the name of the printer you want to use, and then click [**Setup**].
- 4** Click [**Configure**].
A list of options appears.
- 5** Select the option you want to set up and select the appropriate setting for it.

>Note

If the option you want to set up does not appear, the PPD file has not been set up correctly. Check the name of the PPD file shown in the dialog box.

- 6** Click [**OK**].
The list of options closes.
- 7** Click [**OK**].
The [**Chooser**] dialog box appears.
- 8** Close the [**Chooser**] dialog box.

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Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC."

Caution(in case of IEEE1284 environment):

Properly shielded and grounded cables (STP) and connectors must be used for connections to host computer (and/or peripheral) in order to meet EMC Directive 89/336/EEC emission limits.

Caution (in case of 100BaseTX environment):

Interface cable with ferrite core must be used for RF interference suppression.